

WHITE RIVER BASIN

07050150 ROARING RIVER SPRING NEAR CASSVILLE, MO
(Ambient water-quality monitoring network)

WATER-QUALITY RECORDS

LOCATION.--Lat 36°35'30", long 93°50'00", in SE 1/4 NE 1/4 sec.27, T.22 N., R.27 W., Barry County, Hydrologic Unit 11010001. Sample at outlet of spring in Roaring River State Park.

PERIOD OF RECORD.--November 1993 to current year.

REMARKS.--Previously sampled downstream from spring and published as "Roaring River at Roaring River State Park" (07050152) from November 1991 to October 1993.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPERATURE WATER (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	PH WATER WHOLE FIELD (STANDARD) (00400)	OXYGEN, DIS-SOLVED (mg/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (mg/L) (00340)	COLIFORM, FECAL, 0.7 µM-MF (COLS./100 mL) (31625)	STREPTOCOCCI, KF AGAR PER (COLS./100 mL) (31673)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 mL) (31633)
NOV 05...	1020	23	14.4	360	6.47	7.8	77	--	K855	140	K680
JAN 07...	1530	120	13.1	335	7.18	9.3	90	<10	480	405	400
MAR 11...	1100	92	12.6	303	7.41	9.8	90	--	48	33	26
APR 13...	1545	90	12.4	302	7.09	9.4	89	--	K11	K10	K13
JUN 09...	1210	49	13.9	300	7.08	8.1	78	<10	155	77	K85
AUG 12...	1045	47	14.2	334	7.28	8.3	80	--	K410	90	300
DATE	ANC WATER UNFLTRD FIELD (mg/L as CaCO ₃) (00410)	ANC BICARBONATE IT FIELD (mg/L as HCO ₃) (00450)	ANC CARBONATE IT FIELD (mg/L as CO ₃) (00447)	NITROGEN, NO ₂ +NO ₃ DIS-SOLVED (mg/L as N) (00631)	NITROGEN, NITRITE DIS-SOLVED (mg/L as N) (00613)	NITROGEN, AMMONIA DIS-SOLVED (mg/L as N) (00608)	NITROGEN, AMMONIA + ORGANIC DIS. (mg/L as N) (00623)	PHOSPHORUS ORTHO, DIS-SOLVED (mg/L as P) (00666)	PHOSPHORUS ORTHO, DIS-SOLVED (mg/L as P) (00671)	HARDNESS TOTAL (mg/L as CaCO ₃) (00900)	CALCIUM DIS-SOLVED (mg/L as Ca) (00915)
NOV 05...	151	192	0	2.4	0.02	0.05	<0.1	<0.01	0.03	--	--
JAN 07...	137	171	0	2.2	<0.01	<0.02	<0.1	0.01	0.02	160	60
MAR 11...	128	156	0	2.3	<0.01	<0.02	<0.1	0.03	0.01	--	--
APR 13...	142	174	0	2.6	<0.01	0.03	<0.1	0.03	0.03	--	--
JUN 09...	138	167	0	2.7	0.01	<0.02	0.3	0.02	0.02	160	59
AUG 12...	145	176	0	--	--	--	--	--	--	--	--
DATE	MAGNESIUM, DIS-SOLVED (mg/L as Mg) (00925)	SODIUM, DIS-SOLVED (mg/L as Na) (00930)	POTASSIUM, DIS-SOLVED (mg/L as K) (00935)	SULFATE DIS-SOLVED (mg/L as SO ₄) (00945)	CHLORIDE, DIS-SOLVED (mg/L as Cl) (00940)	FLUORIDE, DIS-SOLVED (mg/L as F) (00950)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (mg/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (mg/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (mg/L) (00530)	ALUMINUM, TOTAL RECOVERABLE (µg/L as Al) (01105)
JAN 07...	2.3	3.2	1.3	4.1	21	<0.1	192	185	60.1	<1	130
JUN 09...	2.5	3.4	1.3	3.4	6.0	<0.1	188	169	24.9	1	40
AUG 12...	--	--	--	--	--	--	--	--	--	--	30
DATE	ALUMINUM, DIS-SOLVED (µg/L as Al) (01106)	CADMIUM WATER UNFLTRD TOTAL (µg/L as Cd) (01027)	CADMIUM DIS-SOLVED (µg/L as Cd) (01025)	COPPER, DIS-SOLVED (µg/L as Cu) (01040)	IRON, DIS-SOLVED (µg/L as Fe) (01046)	LEAD, TOTAL RECOVERABLE (µg/L as Pb) (01051)	LEAD, DIS-SOLVED (µg/L as Pb) (01049)	MANGANESE, DIS-SOLVED (µg/L as Mn) (01056)	MERCURY TOTAL RECOVERABLE (µg/L as Hg) (71900)	ZINC, TOTAL RECOVERABLE (µg/L as Zn) (01092)	ZINC, DIS-SOLVED (µg/L as Zn) (01090)
JAN 07...	20.8	<1	<8	<10	12	<1	<100	<4	--	10	<20
JUN 09...	13.2	<1	<8	<10	<10	<1	<100	<4	<0.1	<10	<20
AUG 12...	--	<1	--	--	--	<1	--	--	--	--	--

K--Results based on colony count outside the acceptable range (non-ideal colony count).